# CGA/VGA JAMMA

# GAME COLLECTION

ARREALESANCE

JACHER LIE

VOLUMB TIME

### I. PCB DIP Switch Settings

DIP	SW3	1	2	3	4
Screen Orientation	Normal Flip Screen	OFF ON			
Display Mode	CGA-15.75Khz		OFF		
(CRT)	VGA-31.5Khz		ON		
That Come Come	Disabled			OFF	
High Score Saver	Enabled			ON	

### II. System Setup

Keep TEST SW or SERVICE SW pressed and power on to enter system setup mode or system test mode.

The first page is Screen Test. You may tune your screen size at this page or press TEST SW to enter next page.

If high score saver is supported and enabled, the second page is Clear High Score. You may clear all saved high scores by pressing both START and S1 buttons. Press TEST SW to enter next page or press SERVICE SW to return last page.

The next page is System DIPSW Setup. Use joystick to move cursor or S1 buttons to switch ON/OFF. The system DIPSW is shown below:

System DIPSW Setup for All Amusement PCBs

	DIP SWI	1	2	3	4	3	6	. 7	8
	Tonin I credit	OFF	OFF	OFF	OFF				
	1-onin 2 uredit	ON	OFF	OFF	OFF				
	1 coin 3 credit	OFF	ON	OFF	OFF				
	I coin 4 credit	ON	ON	OFF	OFF				
	2 com 1 credit	OFF	OFF	ON	OFF				
	2 coin 2 credit	ON	OFF	ON	OFF				
	2 coin 3 credst	OFF	ON	ON	OFF				
Claim I	2 coin 4 credit	ON	ON	ON	OFF				
Coin I	3 com 1 credit	OFF	OFF	OFF	ON				
	3 com 2 credit	ON	OFF	OFF	ON				
	3 com 3 credit	OFF	ON	OFF	ON				
	3 com 4 credit	ON	ON	OFF	ON				
	4 cois I credit	OFF	OFF	ON	ON				
	4 coin 2 credit	ON	OFF	ON	ON				
	4 com 3 credit	OFF	ON	ON	ON				
	4 com 4 credit	ON	ON	ON	ON				

	I coin 1 credit	OFF	OFF	OFF	OFF
	1 coin 2 credit	ON	OFF	OFF	OFF
	I cois 3 credit	OFF	ON	OFF	OFF
	I coin 4 credit	ON	ON	OFF	OFF
2 coin 1 credit 2 coin 2 credit 2 coin 3 credit 2 coin 4 credit	OFF	OFF	ON.	OFF	
	2 coin 2 credit	ON	OFF	ON	OF
	2 eoin 3 credit	OFF	ON	ON	OFF
	2 coin 4 credit	ON	ON	ON	OFF
COIII 2	3 com 1 credit	OFF	OFF	OFF	ON
	3 coin 2 credit	ON	OFF	OFF	ON
	3 coin 3 credit	OFF	ON	OFF	ON
	3 coin 4 credit	ON	ON	OFF	ON
	4 coin 1 credit	OFF	OFF	ON	ON
	4 coin 2 credit	ON	OFF	ON	ON
	4 coin 3 credit	OFF	ON	ON	ON
	4 coin 4 credit	ON	ON	ON	ON

	DIP SW2	1.	2	3	4	-5	6	7	8
Demo Music	Yei No	OFF							
Gome Demo Sound	No Yes		OFF						Г
Demo Music Mode	Model Model			OFF					Е
Free Play	No Yes				OFF				F
Cabinet	Upright 1 Joystick Cocktail Upright/2 Joysticks Cocktail					OFF ON OFF	OFF OFF ON		

Each game can be enabled or disabled respectively. Disabled games would not be shown for playing. Press setup to finish this step or press TEST SW to enter followed pages for DIPSW setup of each game or SERVICE SW to return last page.

The last two pages are Volume Adjust and I/O Test. You may adjust audio volume or diagnose PCB I/O status at these two pages.

For system test mode, only Screen Test and I/O Test pages are included.

If high score saver is enabled, high scores will be saved when players beat the record and each game is completely over. III. JAMMA Wire Map

Part Side			Solder Side
GND	1	1	GND
GND	2	2	GND
+5V	3	3	+5V
+5V	4	4	+5V
	5	5	
+12V	6	6	+12V
	7	7	
IP COIN METER	8	8	2P COIN METER
	9	9	
SPEAKER +	10	10	SPEAKER-
	11	11	
VIDEO R	12	12	VIDEO G
VIDEO B	13	13	VIDEO SYNC
GND	14	14	SERVICE
TEST	15	15	
IP-COIN	16	16	2P-COIN
IP-START	17	17	2P-START
IP-UP	18	18	2P-UP
IP-DOWN	19	19	2P-DOWN
IP-LEFT	20	20	2P-LEFT
IP-RIGHT	21	.21	2P-RIGHT
IP-SI	22	22	2P-S1
1P-S2	23	23	2P-S2
1P-S3	24	24	2P-S3
	25	25	
	26	26	
GND	27	27	GND
GND	28	28	GND

### IMPORTANT NOTE:

The PCB voltage of +5V pin CAN NOT exceed +5.5V.

# Game List

Ms Pacman



Donkey Kong



Donkey Kong Junior



Frogger

Donkey Kong 3



Galaxian



Dig Dug



Crush Roller



Mr. Do



Space Invaders



Pacman







Galaga3

1942



Ladybug



**Burger Time** 



Марру



Centipede



Millipede



JR Pacman



Pengo



Phoenix







Time Pilot

Super Cobra

Hustler



Space Panie

Super Breakout

New Rally X







Arkanoid

Oix

Juno Frist







Xevious

Mr. Do's Castle

Moon Cresta







Pinball Action



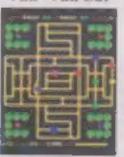
Bomb Jack



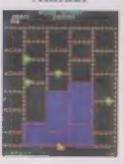
Shao-Lin's Road



Van-Van Car



Amidar



Super Pacman



King & Ballon



Pa-eman Plus



Zaxxon





1943



Dig Dug 2



### MS Pacman DIPSW Setup

DIP	SWI	1 1	2	3	- 4	5	6	7	. 8
	5	OFF	OFF						
Life	3	ON	OFF						
	2	OFF	ON						
	1	ON	ON						
	Noise			OFF	OFF				
Extra life	20000			ON	OFF				
Legita into	15000			OFF	ON				
	10000			ON	0.%				
Diffenliv	Easy					OFF			
Diaming	Hard					ON			
Shired	Normal						OFF		
	Fast						ON		
Ma Partition Bran	Heart							OFF	
	Dut:							ON	

### Galaga DIPSW Setup

DIP	357	VI.		1	2	3	-4	5	6	7.	8:
		Easy	EO	FF	OFF						
Defficulty		Hardest	0	N.	OFF						
Dillion day		Harol	.0	FF	ON						
		Medium		)/N	ON						
Continuous		Ne	Е			OFF					
Shooting		Yes				ON					
		300, 930		34	N.		OFF	OFF	OFF		
		B 20% 80% 80%	1.	.50	k 159k	159%	ON	OFF	OFF		
0 N	Ō	306: 1206: 1206	lo	O 30k 120k		OFF	ON	OFF			
	200, 600, 600	50%		a tama	100%	ON	ON	OFF			
Estra Late	N	205: 685	8 2	30	k 150k		OFF	OFF	ON		
	1	204: 755 756		30	8 1208	120%	ON	OFF	ON		
		30k 100k 100k		30	k 100k		OFF	ON	ON		
		(None)					ON.	ON	ON		
Life	3	bonno2								OFF	OF
Life	13	[Lemm1]								ON	OF
	- 4	[ [ Aurod 5]								OFF	ON
2 Cleanus I									ON	ON	
DIP	511	1			1	3	4	5	6	7	8
Bullet Speed		Normal	O	EE							
notice afreen		Fost	0	N							

### Frogger DIPSW Setup

-	-	C  C1:	
		10000	
	*	OFF ON	
		18 68	

# Donker Kong DIPSW Setup

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	CN FF				
	(F ())				
	 	-	+ + 1		1
	}	1.1	11.1		
	 1	15	18	r <sub>b</sub>	

# Donkey Kong Jumor DIPSW Scrup

	WE CO
	(X )))
	CL ON
	N IN
	1 3 1
Establia	r=4 15
	\ \

# Donkey Kong 3 DIPSW Setup

{	
	(1) ( ) )
	* N 11
)a	
	(0) 15
	701 CE
	(A) (B)
	(1 ()
	25 (=

	4 1 1 1	OFF OFF	
Additional	Arristo	ON OFF	
	70.70	UE UN	
	Neme	ON ON	
	Earty	OFF	OF
Easy Medium		ON	OFF
	** *	OFF	-635
		CN	0.5

Galaxian DIPSW Scrup

	7(10)	OFF OFF		
	7,0000	ON OFF		
Extra Life	2000	OFF ON		
	200000	05 05		
	2		OFF	
l fe	3		05	

### Dig Dug DIPSM Scrap

Continue	No Yes	OFF O'V							
	Fast		OFF	OFF					
	Medium		05	OFF					
	£ #		13117	17%					
	Hardest		05	ON					
					$C([\cdot])$	$\{1\} = \{1, 2, \dots, n\}$	(1.1		
	"DL "DL "DL				051	OFF	OFF		
	05.505.506				OFF	-0%	OFF		
1 1 . Pa	20% nok				-0%	0%	OFF		
4 stee 1 (fe	0), 40k 40k				OFF	OFF	0.5		
	10), 40%				-05	OFF	-0%		
	20k 60k 60k				OFF	ON	QN.		
	1.6				-05	-05	-05		
	3							OFF	OFF
6.161	5							ON	OF
Life	1							OFF	-0%
	2							05	0.4

Crush Roller DIPSW Scrup

Dtr 9		. 1	- 2	. 1	4	٩ أ	- 6	7	8.
	7	OFF	OFF						
1.0	4	- 05	OFF						
Life	5	OFF	-05						
	6	- 05	-0%	_					
to and to	Emily			OFF					
Difficulty	Hard			-0%					

### Mr. Do DIPSW Setup

	E asy	OFF	OFF				
Ph. 4504	Madium	0%	OFF				
Difficulty	Hant	OFF	-05				
		15	0.8				
43h	Eusy			OFF			
Special	Hazd			-07			
4 .	Eary				OFF		
Extra	Hard				-0%		
	3					OFF	OFF
	4					ON	OFF
Life	5					OFF	ON
	2					-05	ON

Space Invaders DIPSW\_Sctup

	J	OFF	OFF			
	4	- 05	OFF			
3 ife	5	DEF	-05			
	6	GN.	05			
	1500			OFF		
stra Life	1000			0\_		··· <u>-</u> ·
	Color				OFF	
					02	

Pacman DIPSW Scrup

							1	H
		11(1)						
		118 000						
		001 08						
		11 (1						
				OFF				
	100000		-0%	OFF				
Lytta lafe			OFF	ON.				
			.0%	05				
					OFF			
Deficulty					0.5			
						CIFE		
Cibost N. mc						415		
							OFF	
Speed							ON	

	- a	17.4	west.	OFF	OFF	OFF					
				05	DEF	OFF					
	2			OFF	-0%	DEF					
				115	DN	(E) f					
	4.			OFF	OFF	0.5					
	- 4			-05	DEF	-05					
	ė			OFF	OΝ	ON					
				CIN	12%	0.8					
							o11.1	011			
		2					-0%	OFF			
L de		4					OFF	ON			
		- 5					-0%	05			
	MIS	treals	nerth						OFF	OFF	4.11
	4.0	anni.							0%	OFF	OL
	1775	501%	story.						OFF	-05	SH
	100%	500h.	1000						-0.2	-0%	$ \Omega $
Lette fille	50),	2006	300%						OFF	OFF	(35)
	10%	150k	nem,						ON.	OFF	0.5
	406	150%	1006						OFF	-0%	03
	4/6	1516	600%						ON	ON	.03

### GATHSS DIPSW Setup

		1	731 E	OFF				
		å.	05	OFF				
Life		<	OFF	ON				
		3	ON	08				
	30%	60k			OFF			
Estra Etfe	a Hi	706			05			
						OFF	1+1	
	2					05	OFF	OFF
	l l					OFF	ON	OFF
	4					ON	ON	01F
						111	THE	18
	6					05	OFF	05
	77					OFF	05	05
	9 3	Hardon .				05	-0%	0.5

### Tank Bart dion DIPSW Sctup

nr s	W.T		2	3	4	5	_6_	7	8
	N inc	OFF	OFF						
	20000	-0%	OFF						
Fistra Life	5000	OFF	-05						
	RHQ	-05	-05						

OFF OS

### 1942 DIPSW Scrup

		1.15	- F					
		11	4 2 2					
sim tare	30h 80h	OFF	05					
	0k (00k	-05	05					
				++1	4.3			
0.00				UN	OFF			
Liste	2			OFF	05			
				1	61%			
						Col	11	
Dollarde.	;					44	salt	
Difficulty	Hord					OFF	ON	
	Hardest					ON	ON	

### Ladybug DIPSW Setup

	Lary	OFF	OFE			
		0.5	OH			
,		1.1	ON			
		<15	411			
High Numer	10 Lenius			OFF		
Nitrica	3 Letters			05		
					OD:	
	5				05	

### Burger Time DIPSW Scrup

Life		01.1			
4-17E	- 4	OS			
	1000	OF	F OFF		
	5000	O <sup>*</sup>	V OFF		
	20000	UF	F UN		
	30000	O:	05		
E manusar.	4			OFF	
Enemies	0			05	
fill of cover	No			OEE	
				0.5	

### Mappy DIPSW Setup

			4
	3.	440 340	
Life	49	ON OFF	
F 135	1	OFF ON	
	7	05 05	

		+5->	4	»» F			
		18	131	HER			
		(40)	EFS	OI.			
F . 7 .		ON	ON	012			
Extra E is	-14	(1)	41)-1-	415			
	4 -08 1008 1008	(1)	ODE	115			
		OD)	DN.	08			
	Ls	-08	IIN	ON			
					(1)	30FF	OD
					ON	OFF	OFF
	C				OFF	ON.	OFF
£1	Ð				ON	ON	OFF
Rank	Ŀ				OFF	OFF	ON
	F				05	Obb	D5
	G				OFF	ON.	05
	H				05	ON	05

Centipede DIPSW Setup

		OD	-11.1						
		43%	411.)						
		OI)	0.5						
		15	0.5						
·	2			OFF	OFF				
	3			ON	OFF				
1 (fe	4			OFF	ON				
	5			ON	ON				
	1					OFF	OFF		
be as breath	12000					Ohi	OFF		
Extra Cafe	15000					OFF	05		
	who could be					(3%	05		
								Oct	
								0.5	
									()
									()

Vhllipede DIPSW Scrup

		F F
	100	( ) }
*		ON
		0(1 )(1)
		ON ODE
	+	OFF ON
		05 05

	12000	OFF OFF
	15000	ON OFF
Extra Life	20000	OFF ON
	,	N 0N
		+11:2
		-08
Starting Score	No	OFF
		- 11

DIÈ	5W2	1	- 2	3	- 4	- 5	6	7	8
	Fryl sh	OFF	OFF						
Language	ueman	0%	UEF						
	French	OFF	ON						
	Span sh	- 0%	405					_	
	0			OFF	OFF				
Bottun	0 la			ON.	OFF				
	1 - 4			0111	2.5%				
	0.35, 25-35			0.5	0.5				

JR Paeman DIPSW Setup

	1	OFF	OFF					
h . A.	2	10%	OFF					
tofs	3.	OFF	-05					
	5	- 05	0%					
	11			(1)	- 1			
t xira l ife	3.5000			0.5	OFF			
	20000			OFF	ON			
	40000			GN:	-05			
						791.1		
						1.5		
							1 1	

Pengo DIPSW Sctup

Estea Life	50000 30000	OFF					
	2		OFF	OFF			
	3		0%	OFF			
L fe	4		OFF	-05			
	€		-0%	018			
	E.859				1/12	wit	
	Medium				-0%	OFF	
	7.5				1166	63%	
					0.05	15	

Machine Set	Set1	UEF
THE RESERVE OF STREET	562	

# Phoenix DIPSW Sctup

	3	OFF	OFF		
Life	2	ON	OFF		
FIRE	5	OFF	05		
	6	- 05	05		
	4K 30K			OFF	OFF
Estra Life	4K 40K			0%	OFF
I MIG L IE	500, 30%			OFF	0.5
	rdu hoju			DN.	ON

### Fine Pilot DIPSW Scrup

3									
1 strait (fe   10k   50k   OFF   O	l. (d	3 4	OFF ON	OFF				_	_
Deficiency   Def				ON					
Z	Estra Erfe				OFF			-	
7 OFF ON ON	Difficulty	Z 3 4 5(Average)				ON OH ON OFF ON	OFF	0FF 0FF 0V 0S	

### Super Cobra DIPSW Setup

4- 44			
Continue	3 cs	OFF	 
Single Come Tips	260	07	
Life	4	OFF	
F 116	- 1	-05	

### Hustler DIPSW Scrap.

-			 J
		PE	1
	1	05	 ı

### Space Panie DIPSW Scrup

		`
3000	OFF	
9000	0.4	

Life	-	3	OF	The state of the s
2.110		4	0.5	

Super Breakout DIPSW Setup

	- H2 S	W 1		1	2					
Mad	ď	€ o Bá		610						
					31.7					
					_ \					
		-	_			1] 1	OUT			
						15%	OH			
, ,	4					OLE	215			
						- 11	15			
		The same						1) >	(IE)	UCL
		- 4						- 25	OH	DIE
	1000		-					OFF	111	DH
								10	00	DIE
	* 9	11.4	8					(2) E	OFF	615
	1300P	9000	100001					08	OFF	ON
	Hoop	11000	12000					HE	ON	ON
	2000.P	14000	150012					15	035	000

<sup>\*</sup> Note P Progressive C Cavity D Double

New Rally & DIPSW Scrup

1	P-SWI		-1	- 2	3	4		
	3Cars 4Cars	None None	HE	OH				
Extra Life	4t ars	20%	0%	OFF				
	4C ats	40s	<b>(1)</b>	-01				
	4Cary	50k	ON	68				
L (e					ON			

Arkanoid DIPSW Sgtup

DIP	SWI		2	3	4	-
Continue	No Yes	OFF				
Þ	Easy 172.3		OFF QN			
Extra Life	20k ouk ouk 20k			OFF		

<sup>\$1</sup> But on Select Progressive

Million Select Cay is

S. Harton Select Double

L fe	N
	> + ( )
	ON OH
V - Spe	EL ON
	05 05

Qiv DIPSW Setup

		OFF OFF					
	4	ON DEF					
		OFF ON					
		0N 0N					
			OFF OFF	OFF			
			ON OFF	OFF			
			OFF ON	OFF			
	55%		05 05	OFF			
			OLE OLE	ON			
	83%		ON DEE	ON			
	96%		OFF ON	ON			
	19-50 <sub>-0</sub>		05 05	05			
	40				OIL	OUT	(3) 1
	44				DN.	OLE	OH
	50				OFF	ON	CHE
	45				-0%	ON	OFF
I me	40				OFF	OFF	ON
	15	*	F	4	DN	OFF	05
	10			+	OFF	05	05
					(15)	- 14	-05

Juno Fust DIPSW Scrup

HP	SWI	- 1	- 2	- 3	- 4	. 5	-6	7	- 8
	1	OFF	OFF						
Life	4	ON	OFF						
Lile	4	OFF	0.5						
	3	-05	05						
	1 (Fastest)			OFF	OFF	OFF			
	2			-0%	OFF	OFF			
	3			OFF	-UN	OFF			
Difficulty	4			0%	-0%	OFF			
Difficulty	5			OFF	OFF	05			
	6			-0%	OFF	-05			
	7			OFF	-0%	0%			
	8 (Harnest)			-0%	05	05			

			4 6 6	16.5				
				-				
				-				
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			-					
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3		=	131	01 F 01 N	ON			
Advance Lev	el (In	3	131	01 F 01 N	ON	C EF		
3	el (In	=	131	01 F 01 N	ON	CH OS		

43%

4.3.6

Oak

ON ON Moon Cresta DIPSW Scrup

	7 kg (r	
	05	
 4	OFF	
	(1)	

Pinball Action DIPSW Scrup

	,	OFF DIT	÷
		ON OFF	
* Control	1	OFF OS	
		CS 05	
			()F(=()) )
f c			CN OD
, ,			OPE UN
			ON ON

\* S1 S2 CPDOWN LEITROT CP S LP DOWN

	- 1	,		THE	1111	1)->					
	114	0.4	11.11.1	115	OUT	180					
	TO K			PIEE	18	430					
	n n	-		DN	15	1193					
	k	100%	1000%	OFF	OFF	05					
	FIL.s			ON	(z) F	05					
		and p		ON	0.5	0.5					
				0.5	< 5	1.8					
Extra		1000					OFF				
A 44.11							0.8				
								OFF	(1) (		
p.		١						1%	(D)		
(Elippens)		7000						(3) 6	ON		
								08	GN		
		F								OFF	OF
Difficulty		1								ON	OF
(Опьва5)										OFF	-04
		- 5								ON	0.5

Scramble DIPSW Setup

h	•	
	OFF OFF	
	ON 188	
	OFF ON	
	` `	
,	· ·	
`	-	

# Super Pacman DIPSW Sctup

	0	(Section)	OFF	OFF	OFF	OFF				
	- 1	(Edition)	-05	OFF	OFF	OFF				
	2		OFF	410	OFF	OFF				
	- 3		- 05	-0%	OFF	OFF				
	4		OFF	OFF	0.5	OFF				
	- 5		0%	OFF	ON.	OFF				
	- 6	(Midium)	OFF	05	ON	OFF				
D. 05 - In.	7		05	ON	ON	OFF				
Difficulty	- 9,		OFF	OFF	OFF	0.5				
	9		ON	OFF	OFF	08				
	A		OFF	ON.	OFF	05				
	B	(Itsirdest)	05	ON.	OFF	40N				
	C	(Easy Auto)	OFF	OFF	ON	ON				
	D	(Auto)	ON	OFF	08	ON.				
	Ε	(Auto)	DEF	ON	ON	ON		+		
	F	(flatd Auto)	0%	ON	ON.	05				
	* 10).	110%	-				OFF	OVER	OFF	
	4 (0)	\$ CHIS + 25%					OFF	OFF	OPE	
	Joh	65Th.					080	OFF	OFF	
	1400.	F306					OFF	ON	OFF	
	1470	3%							OPP	
5-0							0.8	05	OFF	
	206	100g 100g					OFF	OFF	ON	
	45()),	YOUNG THOU	1		4					
	(0);	129. (20.					ON	OFF	ON	
	*47h						OFF	ON	ON	
							ON	ON	118	
M					-					(2)
										O

	4
IFF OFF	
113 (1)	
н > _ >	
 11 1	

### Bomb Jack DIPSW Setup

1P >	7.1	1111	1 3					•
Life }	4 5	OFF ON			-			-
Bird Speen	VI.		0F 11X 111E	THE SE				1 .
Esemina Sumber & Spens		1			ON	00 00 08 08		
Special Com	,						OFF	

# Shao - Lin's Road DIPSW Setup

	-21	1 2	- 4
Life	5 7	ON OFF	
Extra Life	40k 20k 80k	OF OFF ON OFF OFF ON CN ON	
Difficulty	Marinas Nare	01 F 01 ) 0N - 01 F 0N - 6N	,

# King & Ballon DIPSW Setup

1P s		, F
	DECE	
t erra fale	ON CER	
E GALTH A PAGE	OE) ON	
	- 15 ON	
1 .	(I)	
1 -		
Spanch	>FI	
	UN UN	

### 1943 DIPSW Setup

DIF	SWI	1	2	3.	4	5	6	2	1 8
	1(Easiest)	OFF	OFF	OFF	OFF				
	2	ON	OFF	OFF	OFF				
	3	OFF	ON	OFF	OFF				Ť
	4	ON	ON	OFF	OFF				
	3	OFF	OFF	ON	OFF				
	6	ON	OFF	ON	OFF				
Bird Speed	7	OFF	ON	ON	OFF				
	8	ON	ON.	ON	OFF				
	9	OFF	OFF	OFF	ON				
	10	ON	OFF	OFF	ON				
	11	OFF	ON	OFF	ON				
	12	ON	ON	OFF	ON			-	
	13	OFF	OFF	ON	ON				
	14	ON	OFF	ON	ON				
	15	OFF	ON	ON	ON				
	16(Hardest)	ON	ON	ON	ON				
2 Players Game	2 Credits					OFF			
	1 Gredit					ON			
Atleas Continue	Yes						OFF		
tille tanninge	No.						ON		

<sup>\*2</sup> Players Mode is enabled only in Upright and 2-Jaystick mode

# Van-Van Car DIPSW Setup

EXIP	SWI		1	1 2	3	4 1	5	6	7	8
	3.	18e	OFF	OFF						
Extra Life	204	-100k	ON	OFF						
	414	140k	OFF	ON.	5-3					
	704	2000	ON	ON						
		3			OFF	OFF				
156		4			ON	OFF				
Lafe		9			OFF	ON				
		6			ON	ON				

### Pacman Plus DIPSW Setup

DIP:	SWI	1 1	12	3	4.	5	6	7	8
	5	OFF	OFF						
0.00	3	ON	OFF						
Life	2	OFF	ON						
		ON	ON						
	Sene			OFF	OFF				
Extra Life	20000			ON	OFF				
	15000			OFF	ON				
	10000			ON	ON				
Difficulty.	Easy			1		OFF			
Dilliestry.	Hard					ON			
· · · · · · · · · · · · · · · · · · ·	Normai	1					OFF		
Short Name	Alberrane					-	ON		
Spred	Normal							OFF	
Speed	Fast							ON	

### Dig Dug DIPSW Setup

DEP	SEL		11	2	3	4.	5.	6	7	8
Life		3	OFF							
Lille		. 5								
	304	80k		OFF	OFF					
Principles	30%	1009		ON	OFF					
Extra Life	30%	120k		OFF	ON					
	30k	150k		ON	ON					
1	-0	MI.				OFF				
Level Select	On					ON				

### Amidar DIPSW Setup

DIF	SWI		1	1.2	7	4	- 5	6	7	8
	3		OFF	OFF						
100		4	ON	OFF						
Life	5	OFF	ON							
		5	ON	ON						
27 7.15.	504	80k			OFF					
Extra Life	300, 700,				ON	-		1		

### Zaxxon DIPSW Setup

DIF SWI		10.4	2	3	4	5	-6	7	-8.
Extra Life	10000	OFF	OFF						
	30000	ON	OFF						
	20000	OFF	ON						
	40005	ON	CIN						
Life:	3			OFF	OFF		1.61		
	5			ON	OFF				
	4			OFF	ON				
	3			ON	ON				



Game Never Over